



FEMA



Prepared by
Jennifer McNatt

FEMA Region 6 Weather Threat Briefing

Friday, October 12, 2018

Disclaimer: The purpose of this briefing is to provide a **Regional** weather threat assessment and is meant as a general overview. County/Parish decision makers should consult their local NWS forecast offices for the latest detailed, local weather information.

To find your local NWS forecast office, go to www.weather.gov/srh.

Summary of the Upcoming Week



SR ROC
REGIONAL OPERATIONS CENTER

Today through Sunday

- Moisture from Sergio will begin moving into **S NM** and the Permian Basin Region of **W TX** today. This will continue to spread east into **OK** and **TX** this weekend. Isolated flash flooding will be possible, especially over **SE OK** and **NE TX** on Saturday.
- Strong to severe storms will be possible across **SE NM** and **W TX** today, and **SW** through **Central TX** Sunday; damaging winds and hail are the main threats.

Monday - Tuesday

- A strong cold front moving down into the Region will keep rain (possibly heavy) over the same areas of **OK, AR** and **TX** possibly into the middle of next week.
- The first snowfall of the season is likely over **NE TX** Sunday and Monday; up to 1-2 ft in higher elevations possible, impacts to **I-40** possible Sunday night into Monday.

River Flood Status

- Points along the Nueces River in **STX** is in or forecast to rise into Major Flood in the coming days. Mostly agricultural impacts are expected, but near **Cotulla** many roads are likely to flood in coming days and evacuations might be needed.
- Moderate flooding occurring or expected across **OK** for the next several days. The **Washita River** at **Anadarko** is forecast to crest later today; impacts to campgrounds and farms.
- The **Neosho River** near **Commerce** in **NE OK** will remain in moderate flood through late Saturday; some roads and agriculture impacted.
- The remnants of Sergio, as well as another frontal system, are going to bring more rain across portions of **TX** and **OK** through at least the middle of next week. This additional rainfall could slow improvements along the already impacted rivers and lead to additional flooding throughout this area.

Tropical Outlook

- A broad area of low pressure is expected to develop over the **W-Central Caribbean Sea** in a day or two and move slowly westward toward **Central America** through early next week. Environmental conditions could support some slow development, however, interaction with land will likely limit the chance of formation once the system approaches **Central America** on **Monday** and **Tuesday**.
- Tropical Storm Sergio is weakening as it quickly approaches the coast of **Baja, CA**.

FEMA Region 6 Threat Matrix

Oct 12, 2018 – Oct 16, 2018



SR ROC
REGIONAL OPERATIONS CENTER

DAY / THREAT	FRI	SAT	SUN	MON	TUE
Severe Storms	WTX	Central TX	SE through Cntrl TX		
Heavy Rain / Flash Flooding	S NM, Permian Basin of TX	SE OK, NETX	SE through N-Cntrl TX, NE AR	ArkLaTex through N-Central and SETX	ArkLaTex through N-Central and SETX
	Cntrl NM, W through N-Cntrl TX	AR, OK, NTX			
Winter Weather			N-Central & NE NM	N-Central & NE NM	
Tropical Weather					
River Flooding	STX	STX	STX	STX	STX
	OK	OK	OK		

	No Weather Threats Expected
	Very Common – Happens Often
	Common – Happens Frequently
	Uncommon – A Few Times a Year
	Rare – Once Every 1-5 Years
	Very Rare – Once Every 5-10 Years

**Threat levels are based on FEMA Region 6 criteria.*

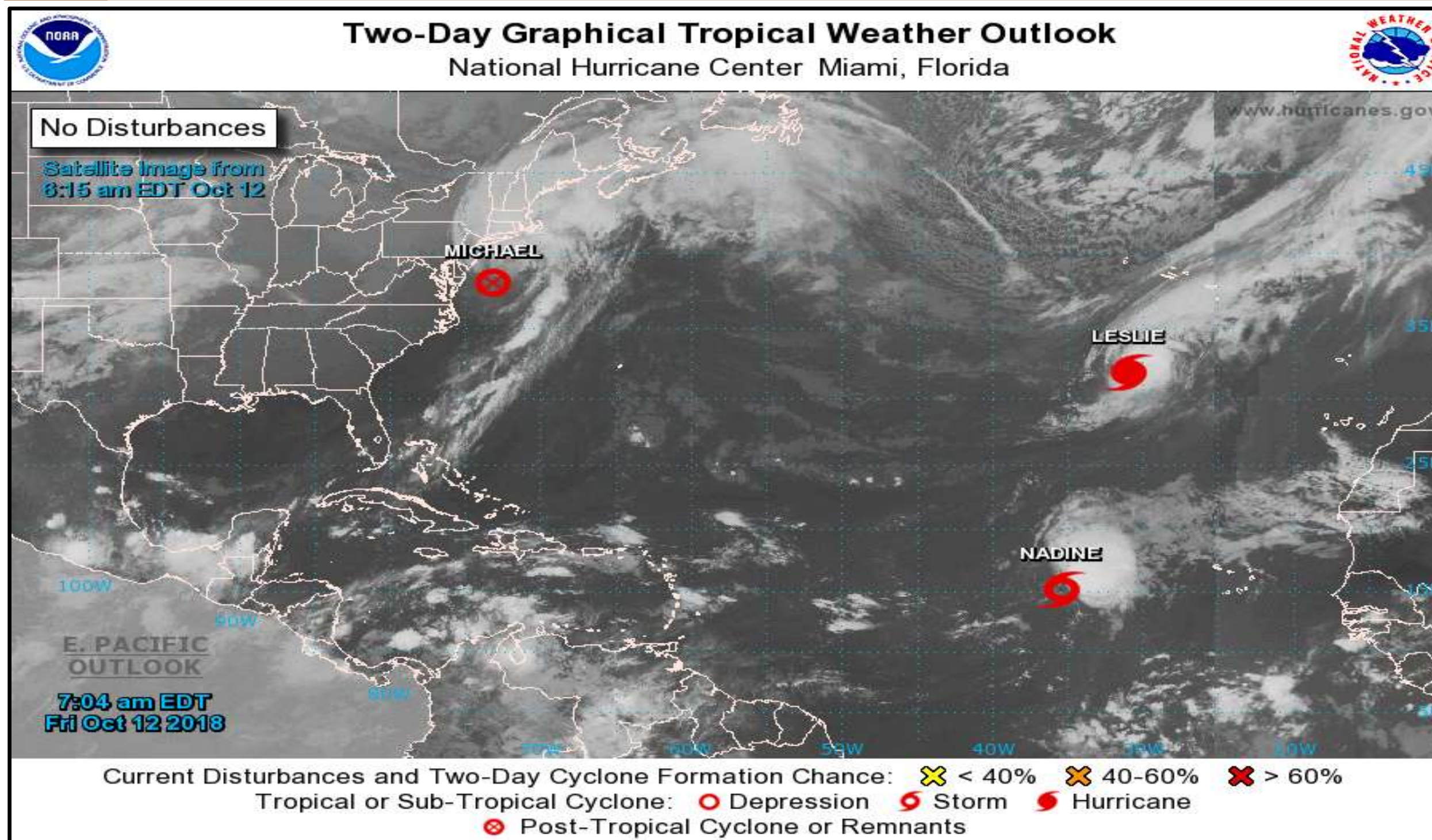
*State or local threat level criteria may differ.**

For more details on the colors in the threat matrix refer to the last slide in this briefing.

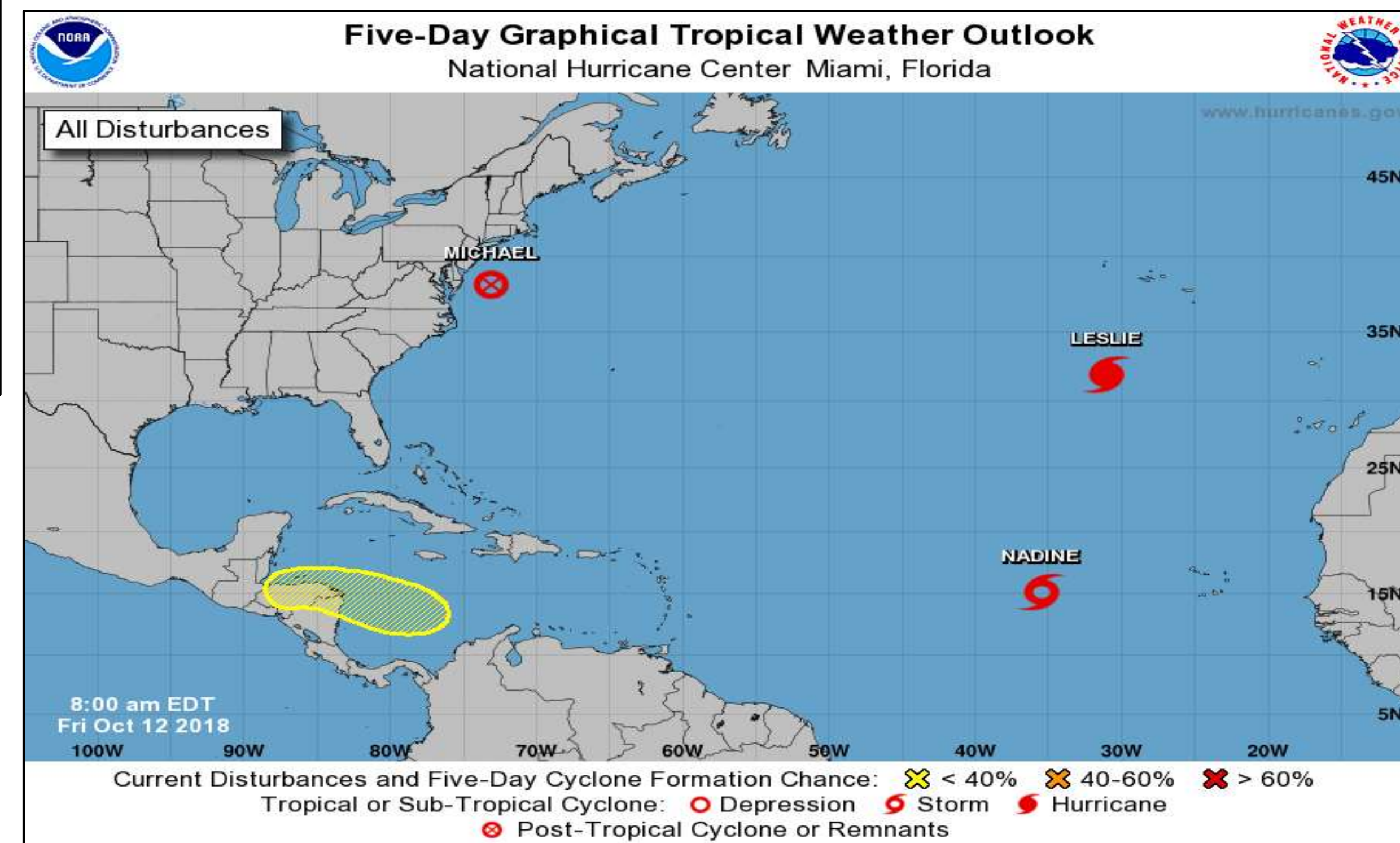
Tropical Weather Outlook – Atlantic/Gulf



SR ROC
REGIONAL OPERATIONS CENTER



See next slides for information on Post-Tropical Cyclone Michael, Hurricane Leslie and Tropical Storm Nadine.



A broad area of low pressure is expected to develop over the W-Central Caribbean Sea in a day or two and move slowly westward toward Central America through early next week. Environmental conditions could support some slow development, however, interaction with land will likely limit the chance of formation once the system approaches Central America on Monday and Tuesday.

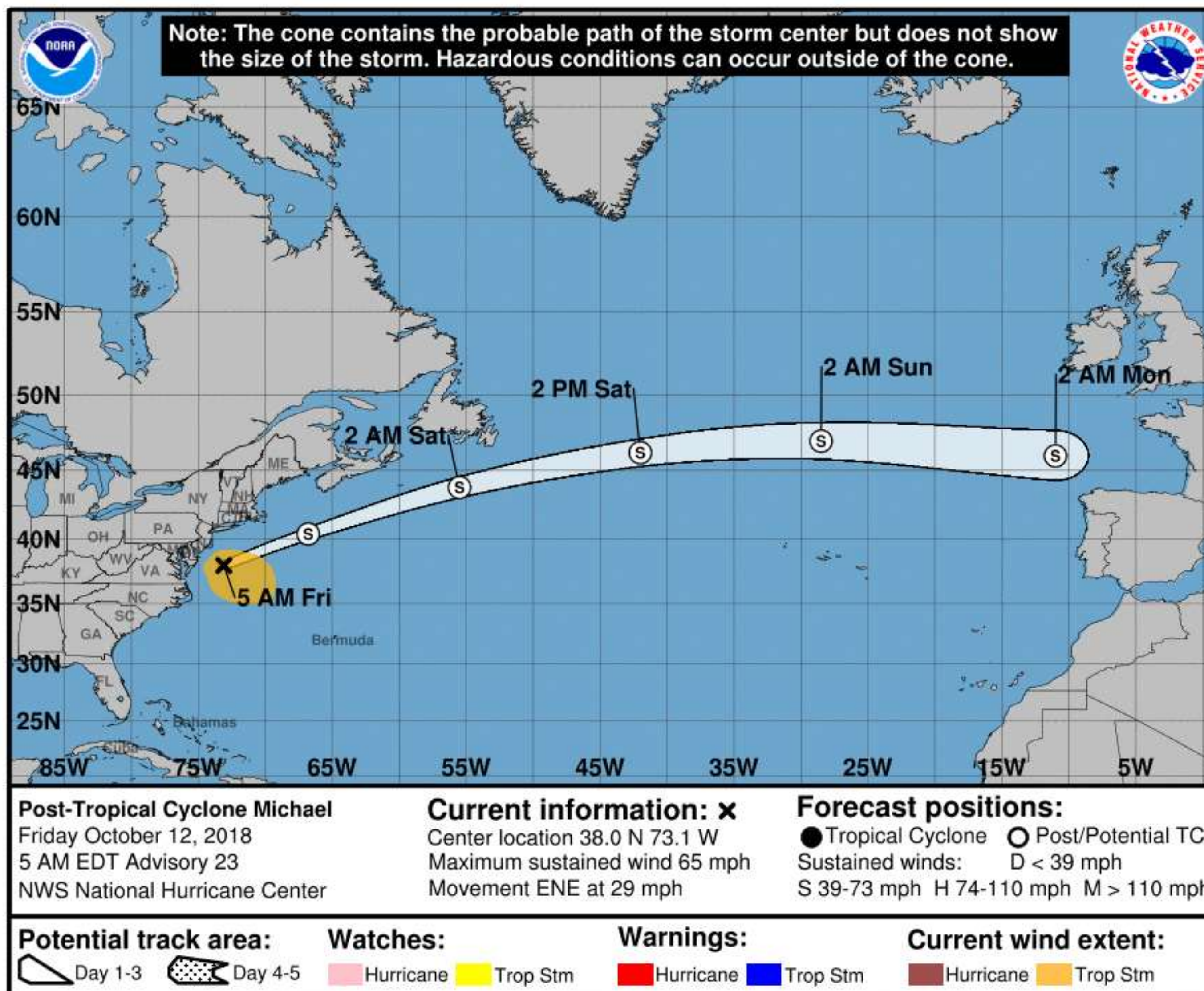
Formation chance through 48 hours...low...near 0%.

Formation chance through 5 days...low...30%.

Post-Tropical Cyclone Michael



SR ROC
REGIONAL OPERATIONS CENTER

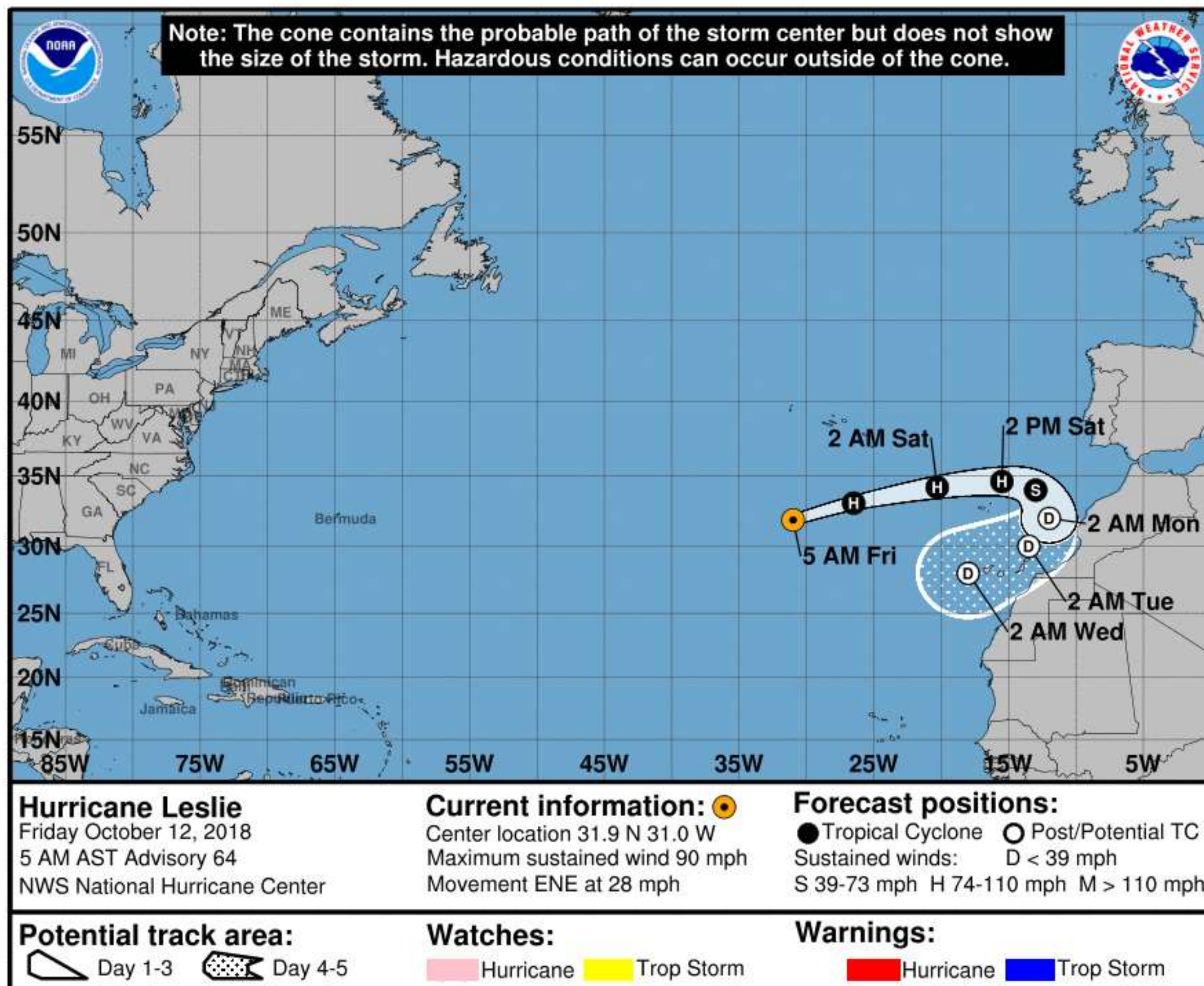


Post-Tropical Cyclone Michael will continue to move northeast of Region IV; all tropical watches and warnings in North Carolina have been cancelled.

Hurricane Leslie



SR ROC
REGIONAL OPERATIONS CENTER



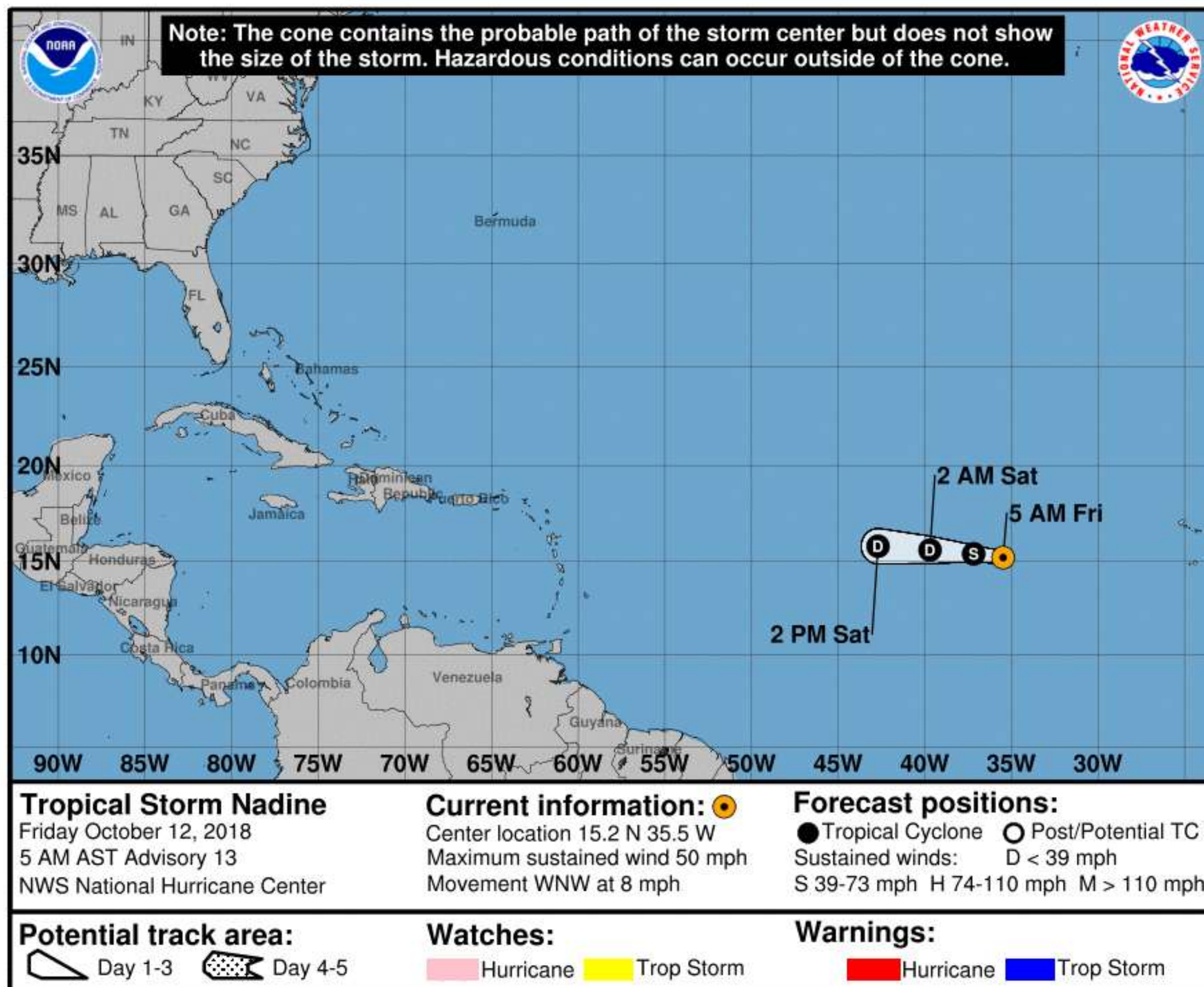
Hurricane Leslie is forecast to move away from the United States.

No impacts to FEMA Region IV.

Tropical Storm Nadine



SR ROC
REGIONAL OPERATIONS CENTER



Nadine is forecast to dissipate over the weekend.

No impacts to FEMA Region IV.

Tropical Weather Outlook – Eastern Pacific

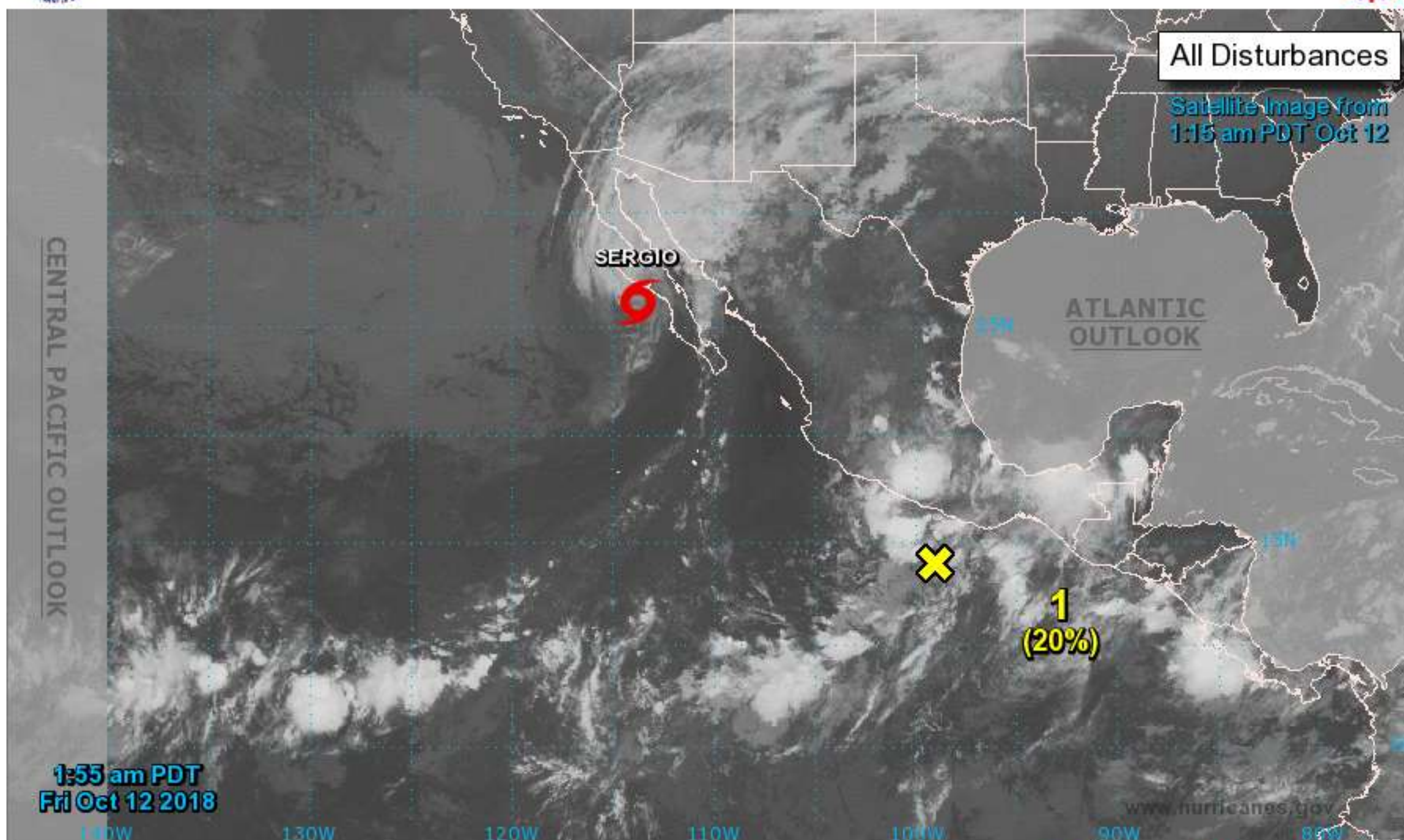


SR ROC
REGIONAL OPERATIONS CENTER



Two-Day Graphical Tropical Weather Outlook

National Hurricane Center Miami, Florida



See next slide for forecast information about Tropical Storm Sergio in the Eastern Pacific.

Current Disturbances and Two-Day Cyclone Formation Chance: < 40% 40-60% > 60%

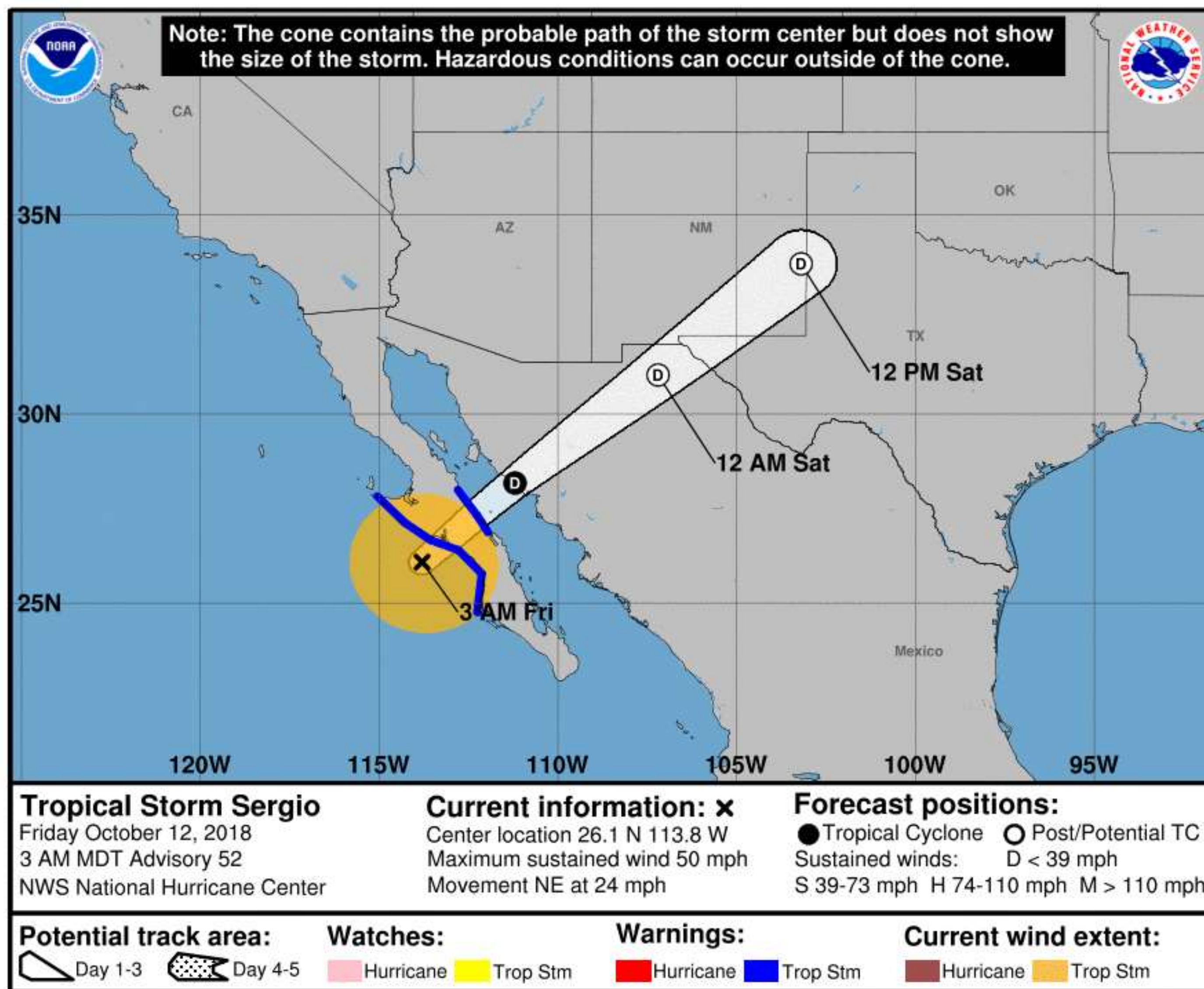
Tropical or Sub-Tropical Cyclone: Depression Storm Hurricane

Post-Tropical Cyclone or Remnants

Tropical Storm Sergio



SR ROC
REGIONAL OPERATIONS CENTER



Tropical Storm Sergio is weakening as it quickly approaches the coast of Baja, CA.

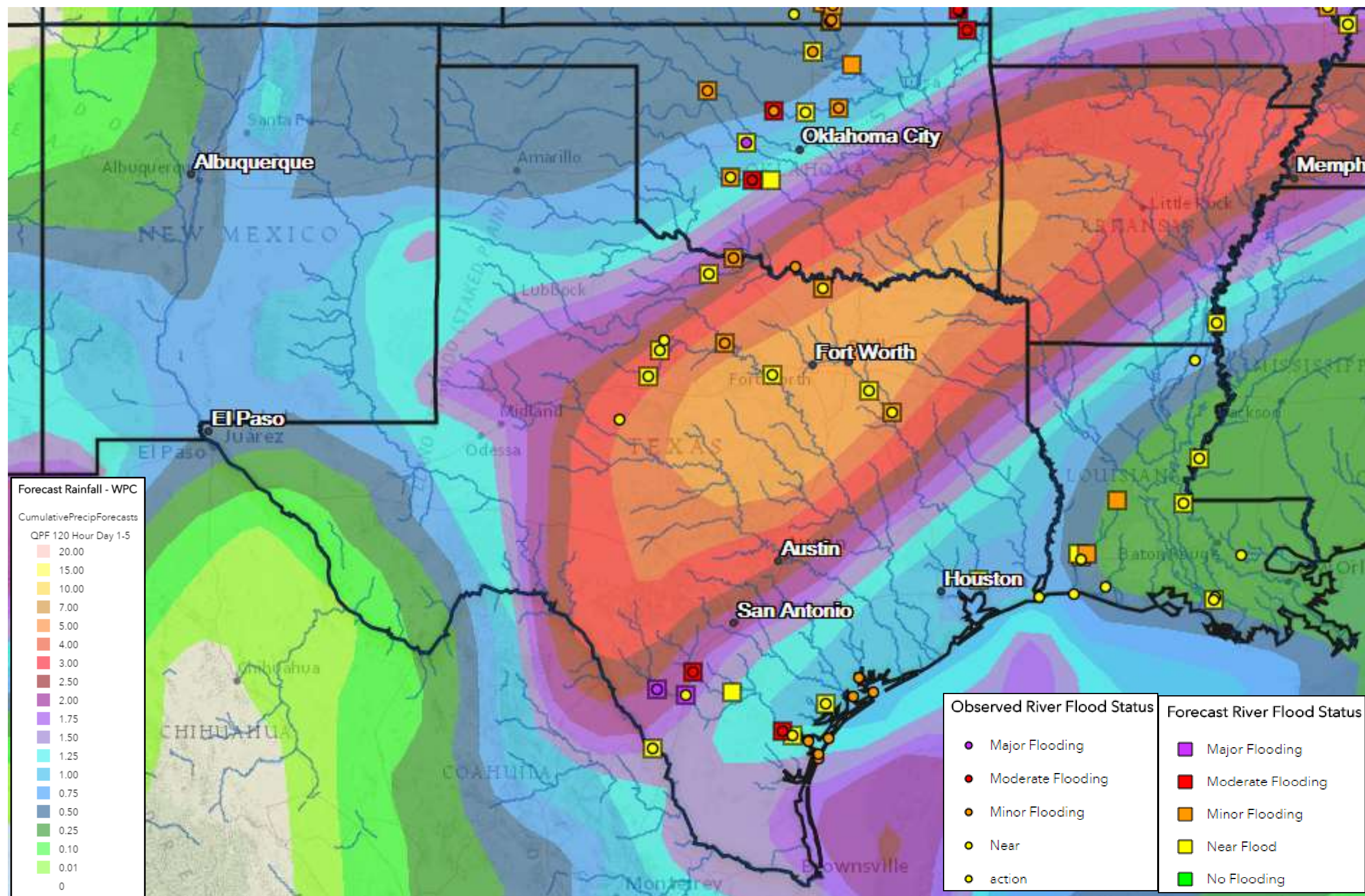
Sergio will bring areas of heavy rain and flash flooding to S NM and TX in the coming days.

5-Day Precipitation Forecast & River Flood Status



SR ROC
REGIONAL OPERATIONS CENTER

Note: Even though the image displays 5 days of forecasted rainfall, river forecasts only include 1-2 days of rainfall



Moderate flooding occurring or expected across OK for the next several days.

The Washita River at Anadarko is forecast to crest later today; impacts to campgrounds and farms.

The Neosho River near Commerce in NE OK will remain in moderate flood through late Saturday; some roads and agriculture impacted.

Points along the Nueces River in STX is in or forecast to rise into Major Flood in the coming days. Mostly agricultural impacts are expected, but near Cotulla many roads are likely to flood in coming days and evacuations might be needed.

The remnants of Sergio, as well as another frontal system, are going to bring more rain across portions of TX and OK through at least the middle of next week.

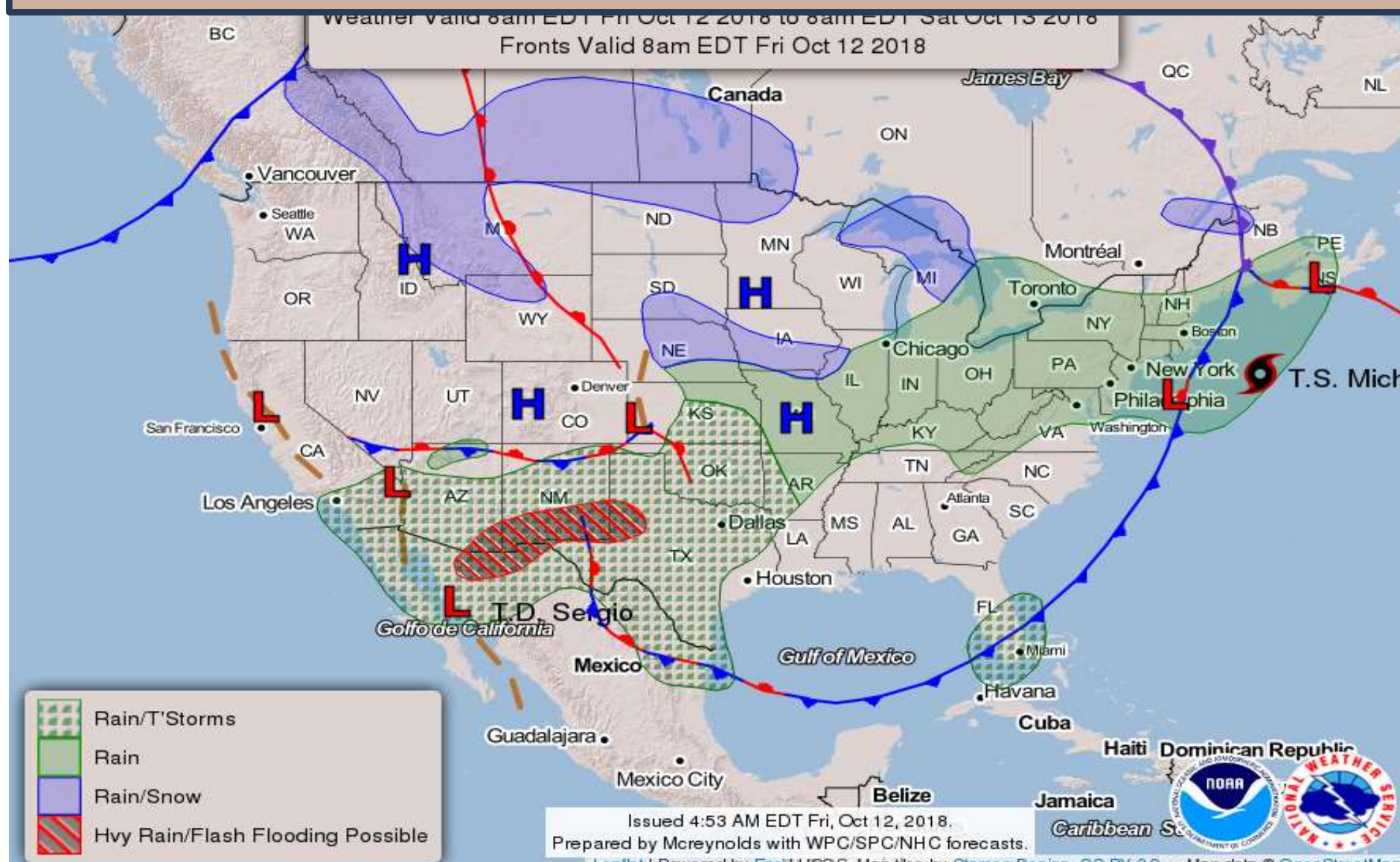
This additional rainfall could slow improvements along the already impacted rivers and lead to additional flooding throughout this area.

Today's Weather

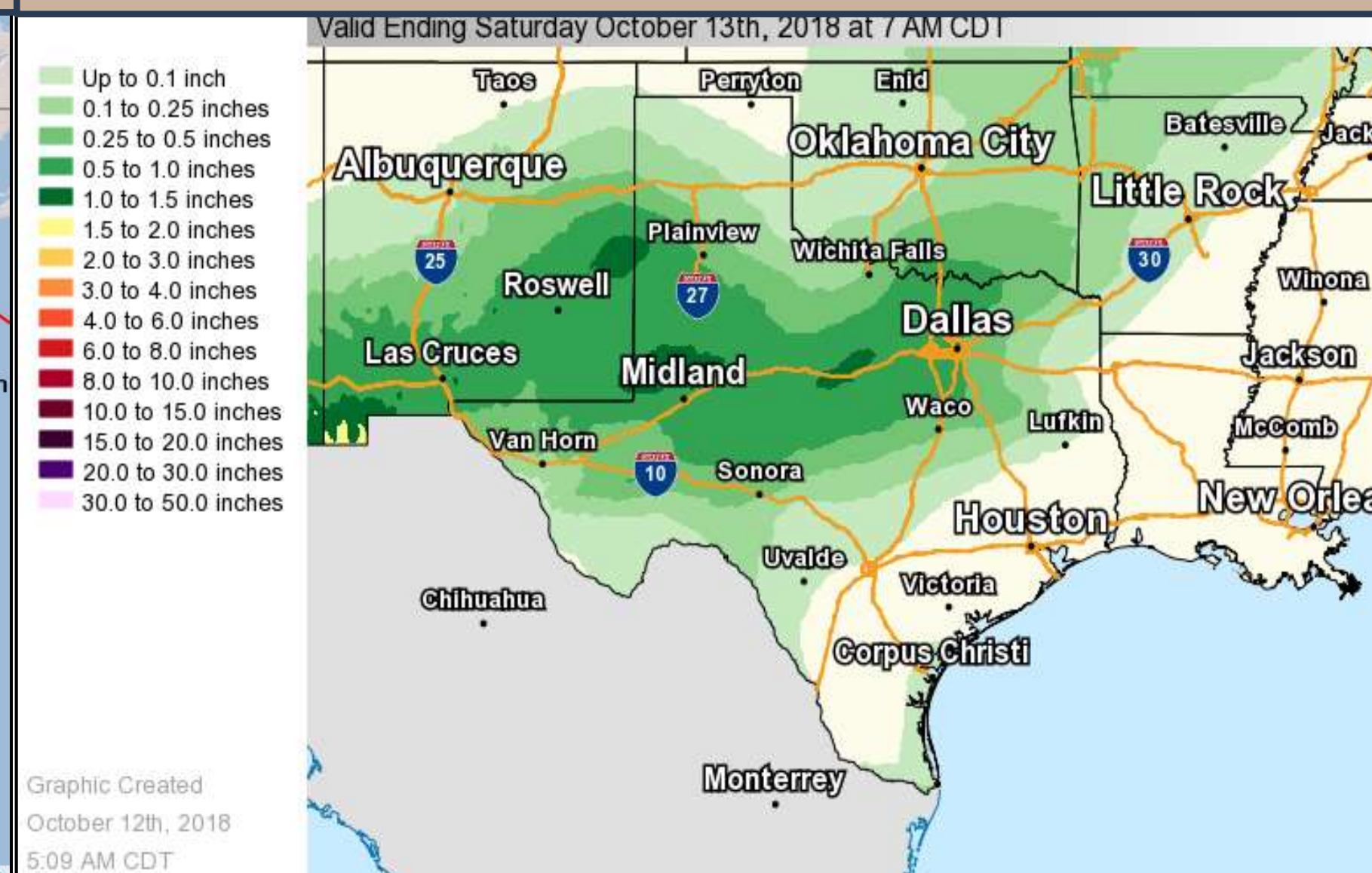


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart



Forecast Rainfall

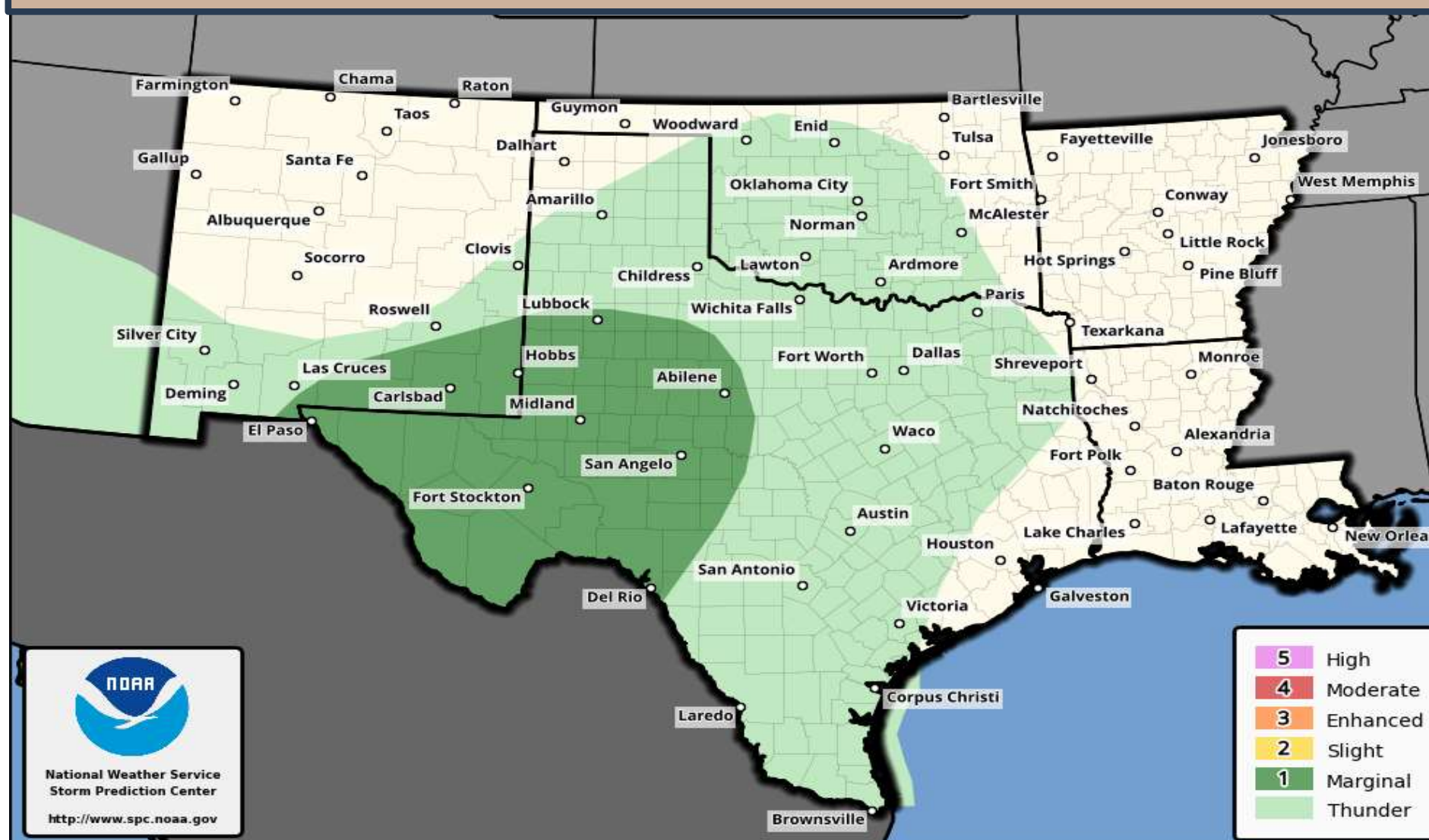


Heavy rain/isolated flash flooding is possible across S NM and the Permian Basin of TX today.

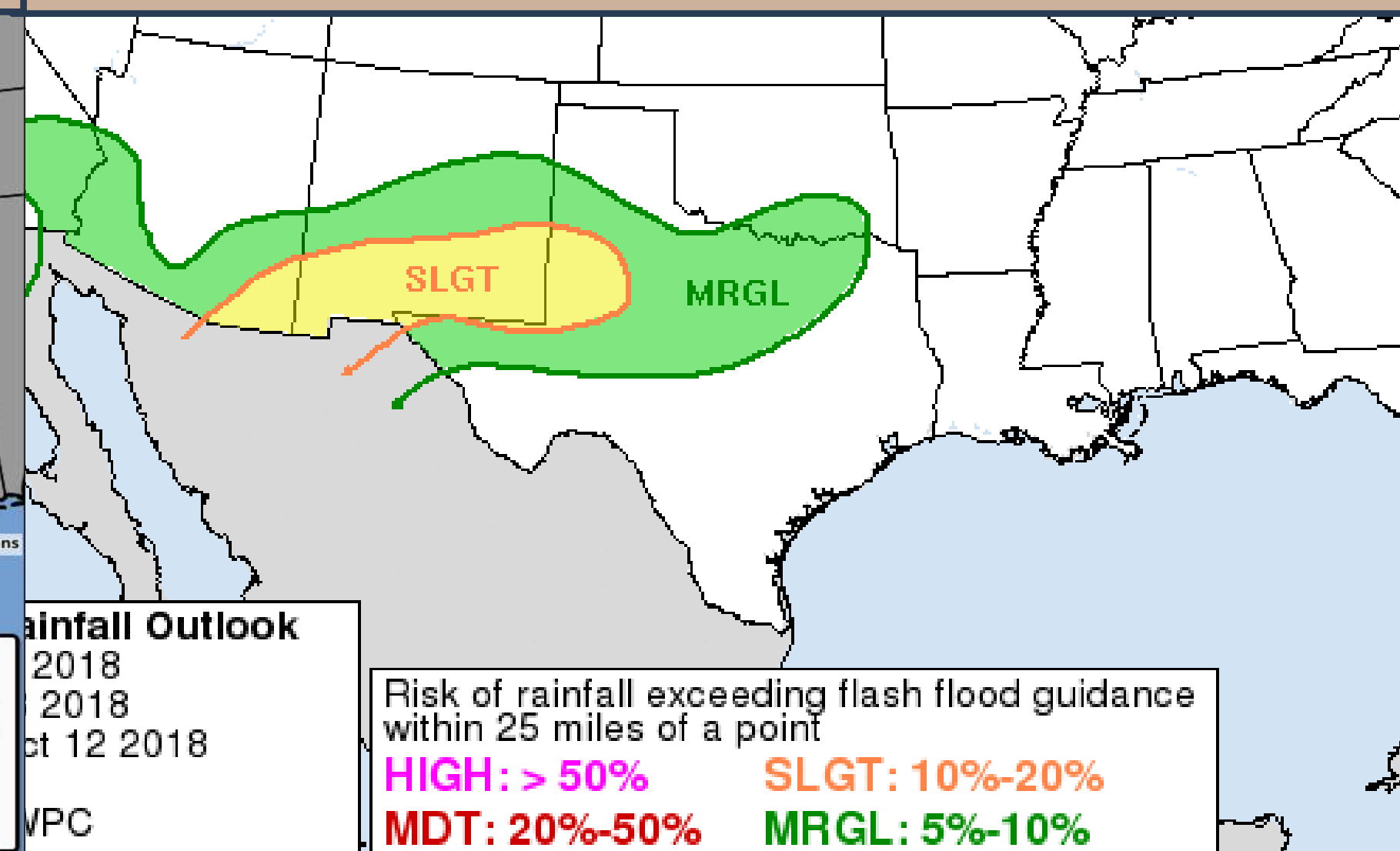
Isolated heavy rain possible into Central NM and from W through N-Central TX.

Strong to severe storms possible across SE NM & W TX; damaging winds, hail and an isolated tornado possible.

Severe Weather Outlook



Excessive Rainfall Outlook

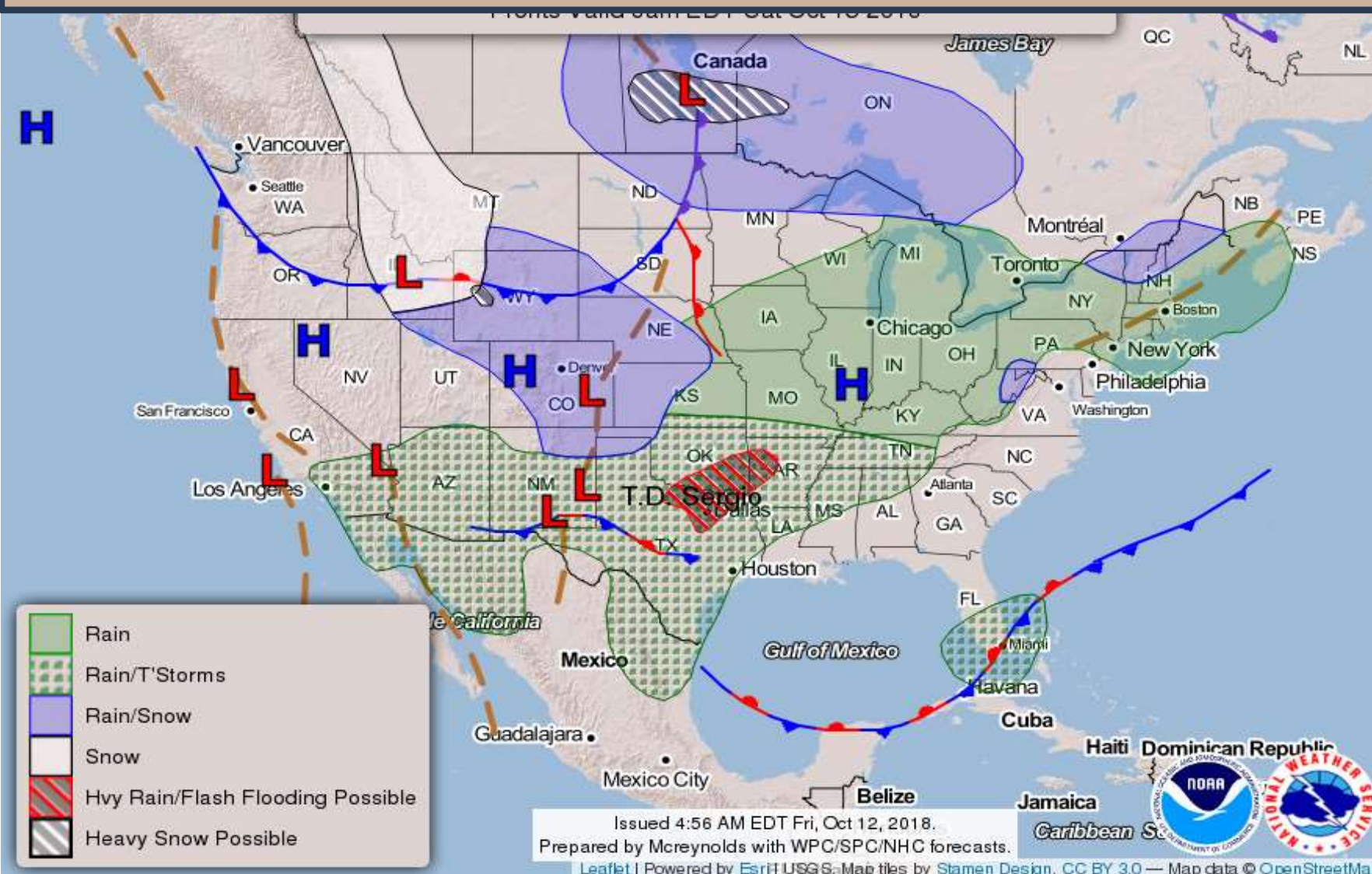


Tomorrow's Weather

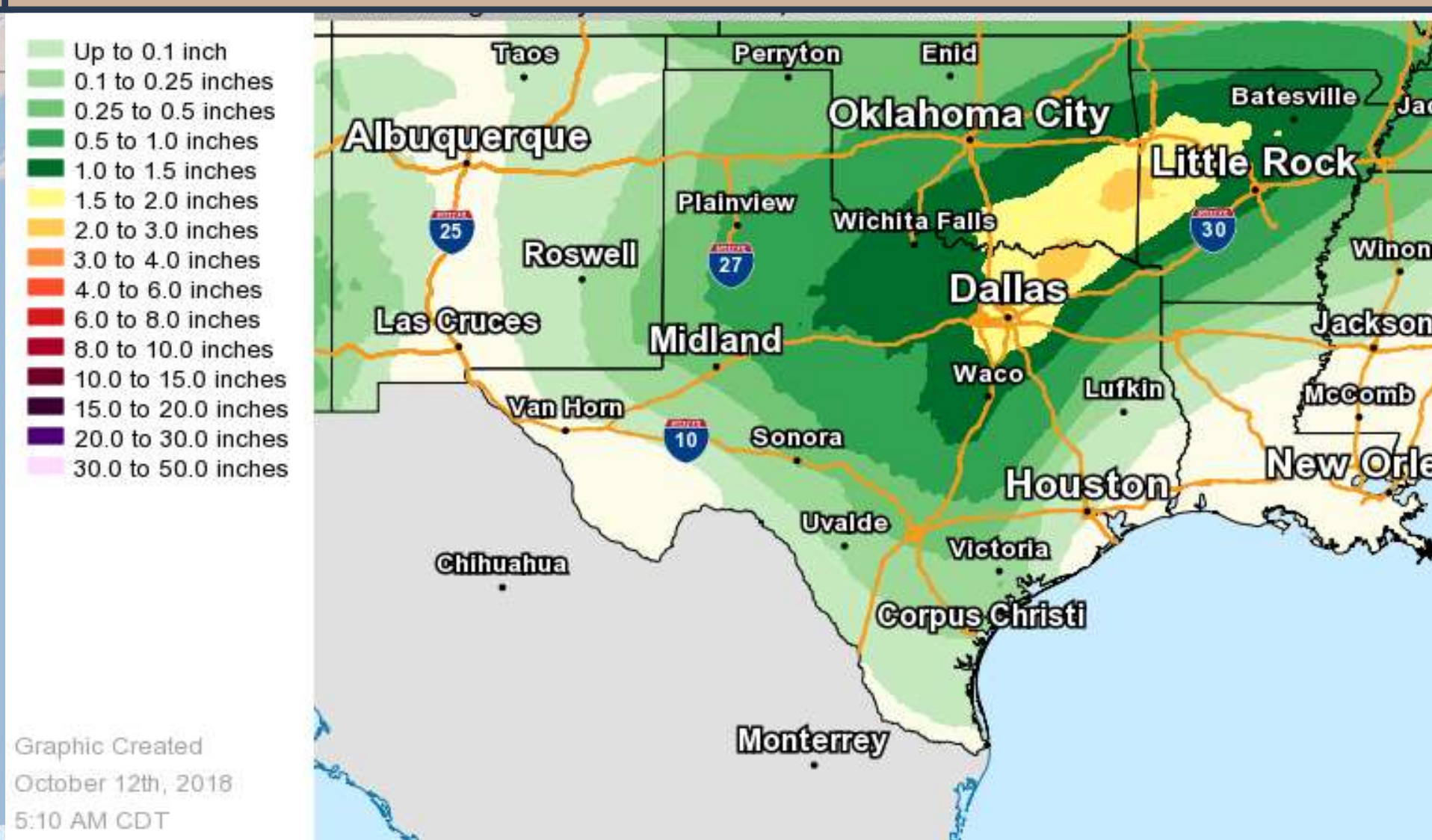


SR ROC
REGIONAL OPERATIONS CENTER

Forecast Chart



Forecast Rainfall

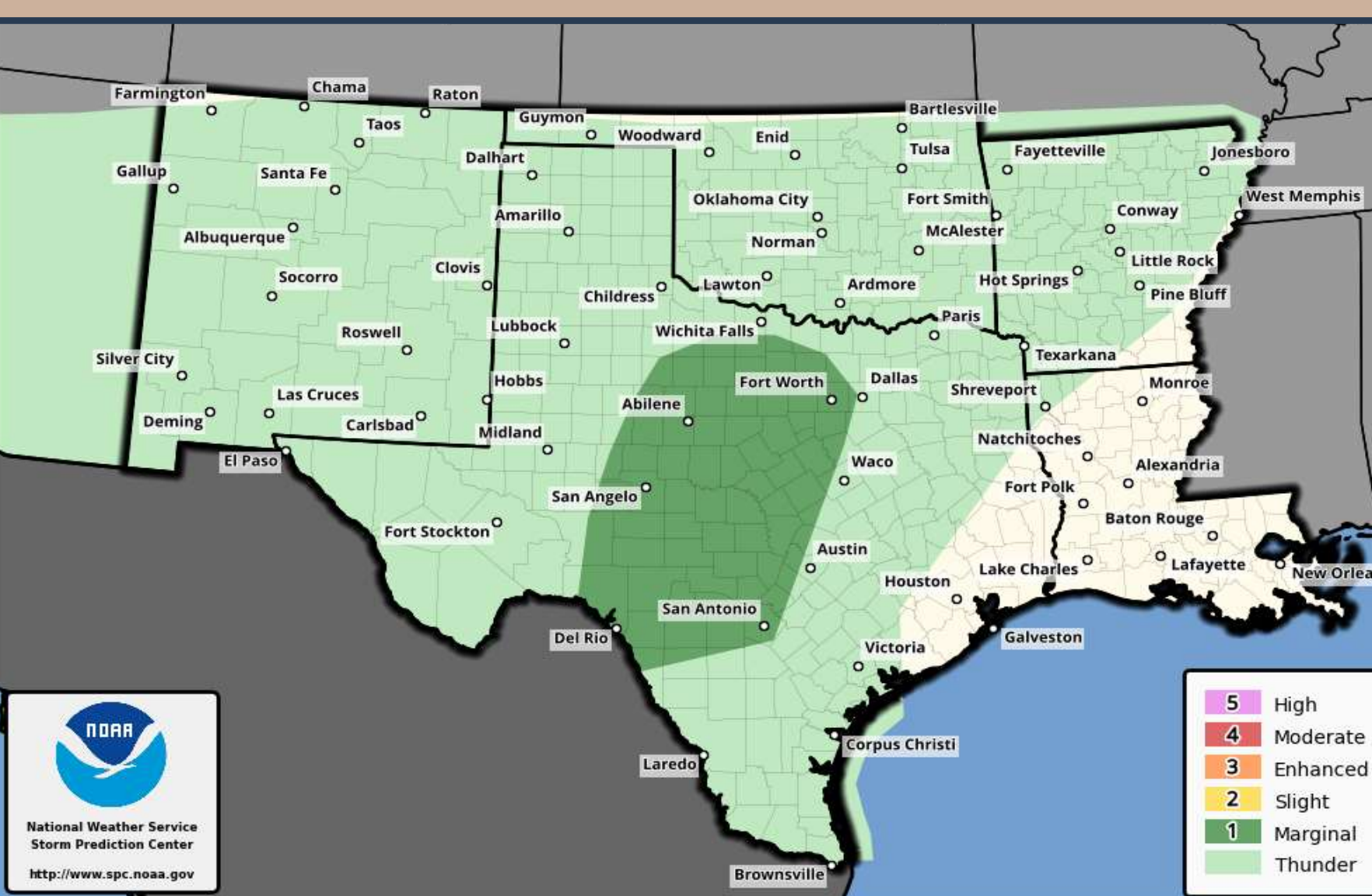


A few strong to severe storms possible over Central TX; damaging winds and hail are the main threats.

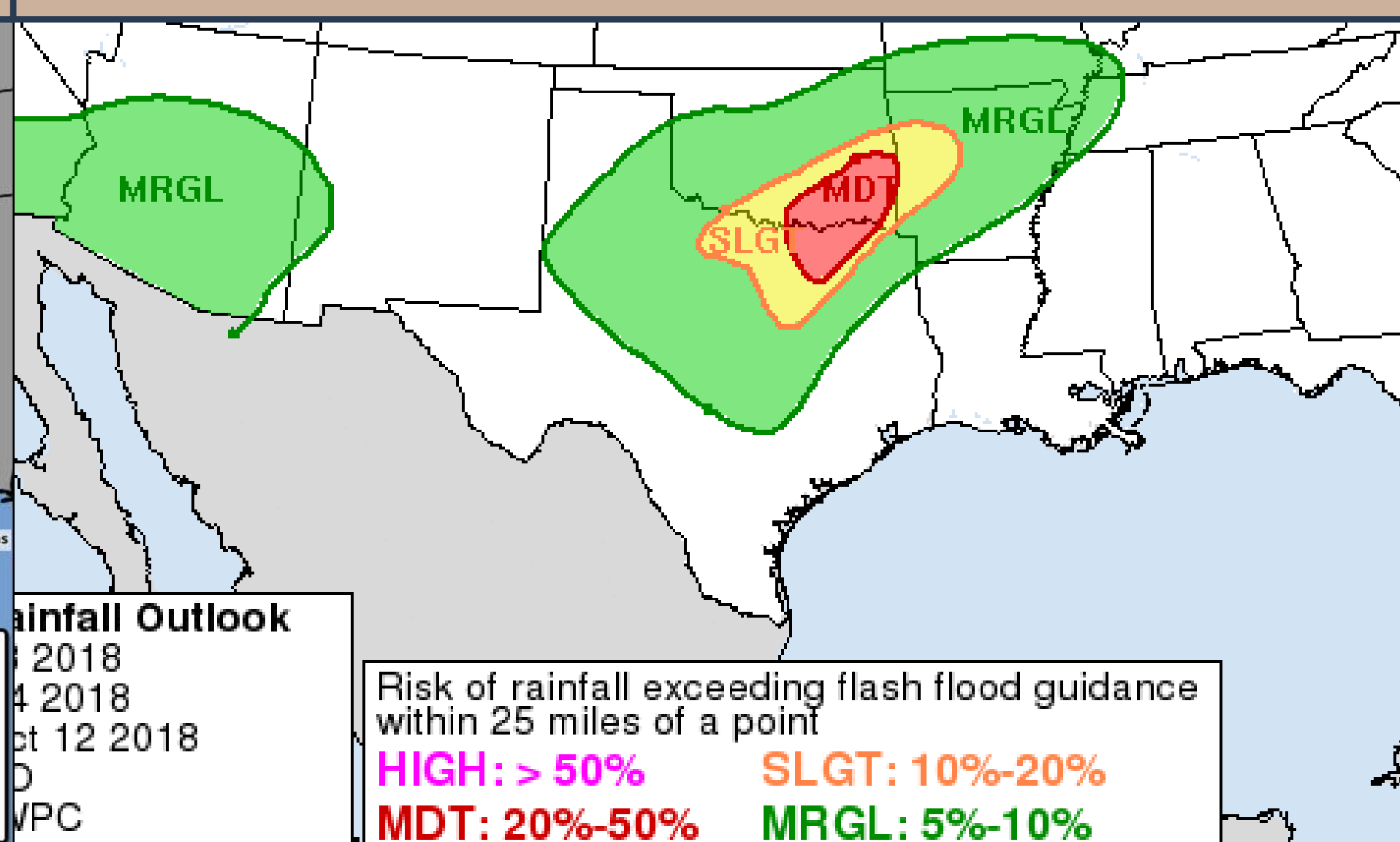
Heavy rain / flash flooding possible over SE OK and NE TX.

Isolated heavy rain possible throughout much of AR, OK and N/N-Central TX.

Severe Weather Outlook

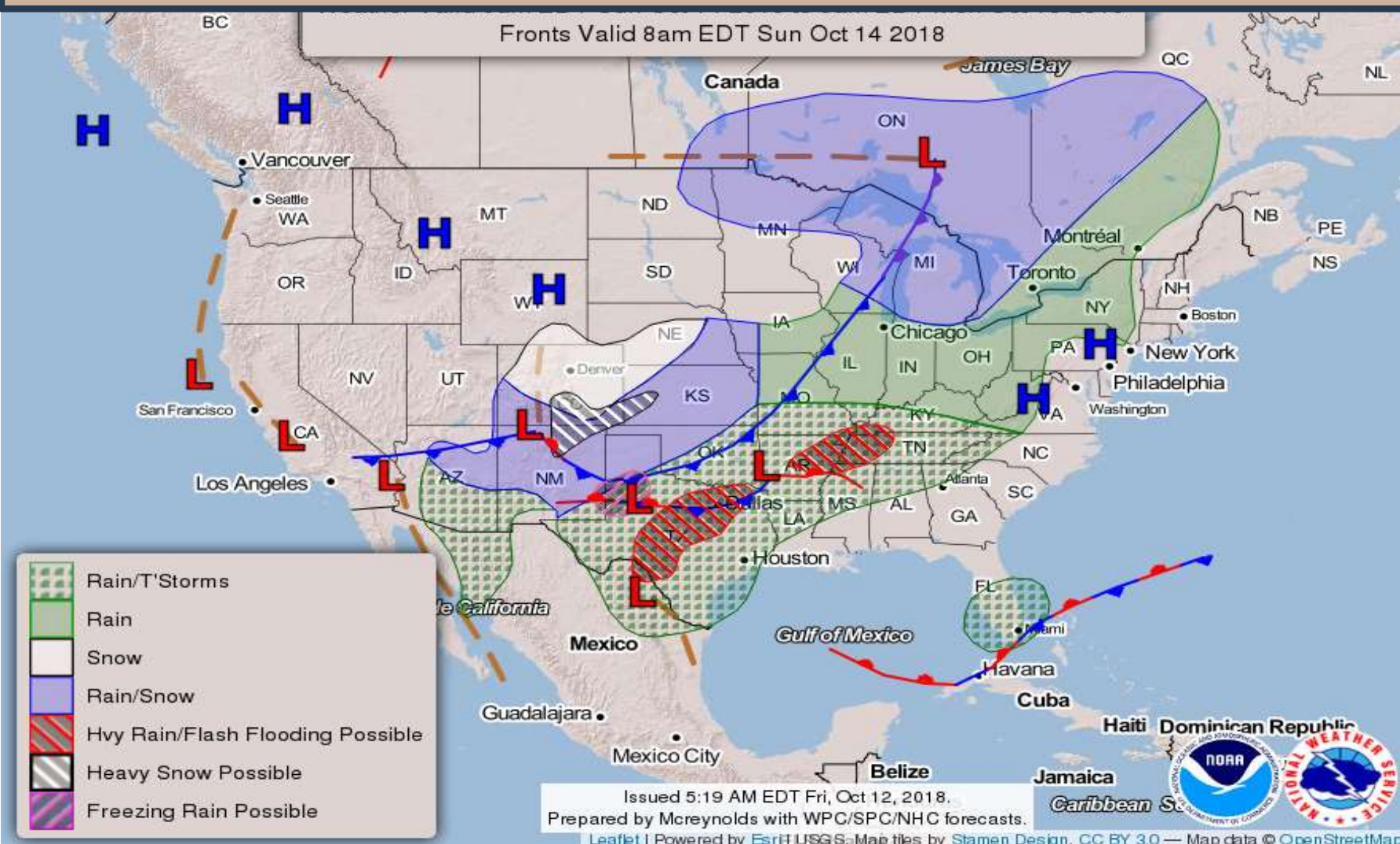


Excessive Rainfall Outlook

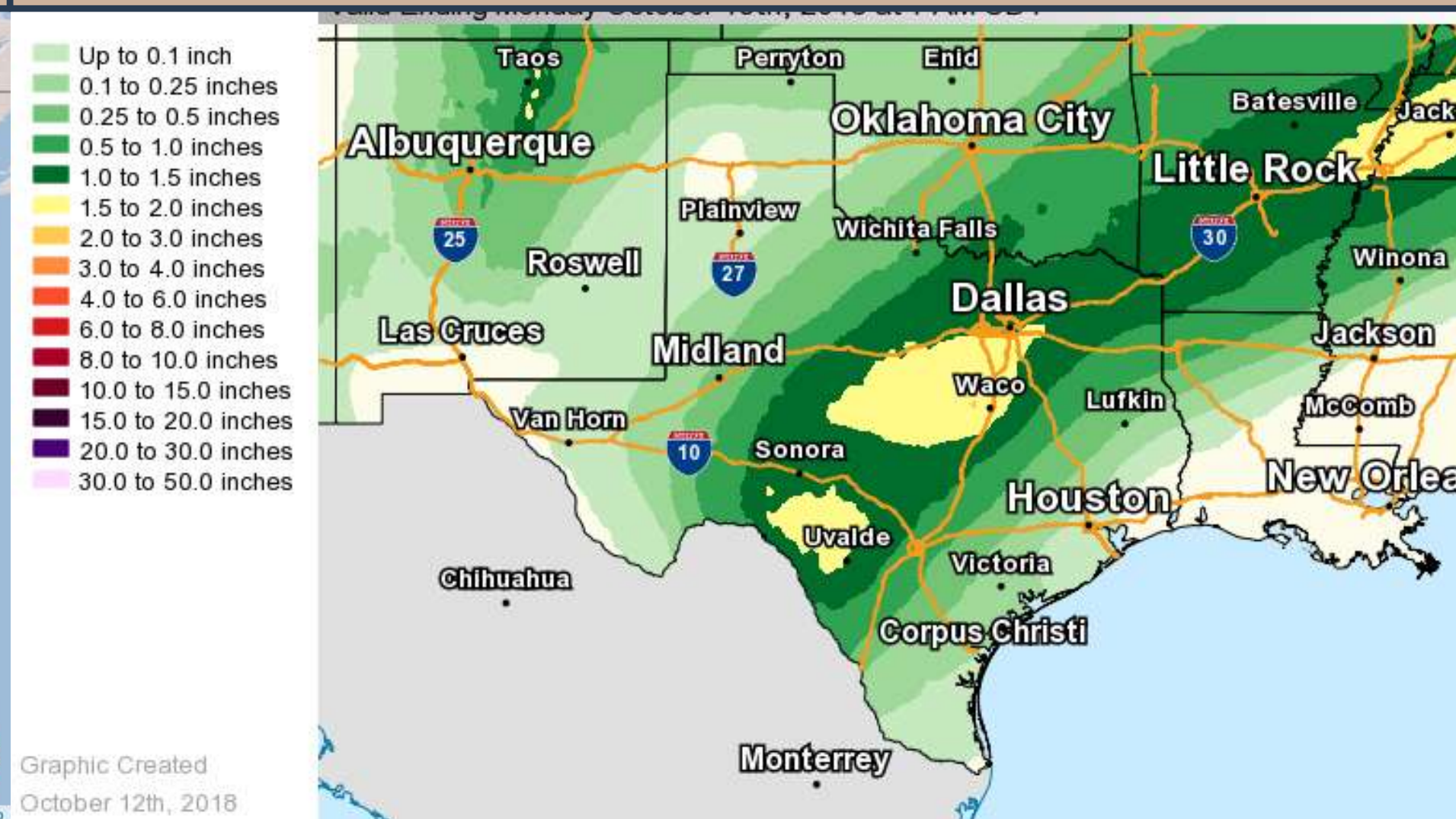


Sunday's Weather

Forecast Chart



Forecast Rainfall



SR ROC
REGIONAL OPERATIONS CENTER

Heavy rain / flash flooding chances continue across much of SE through N-Central TX...as well as NE AR.

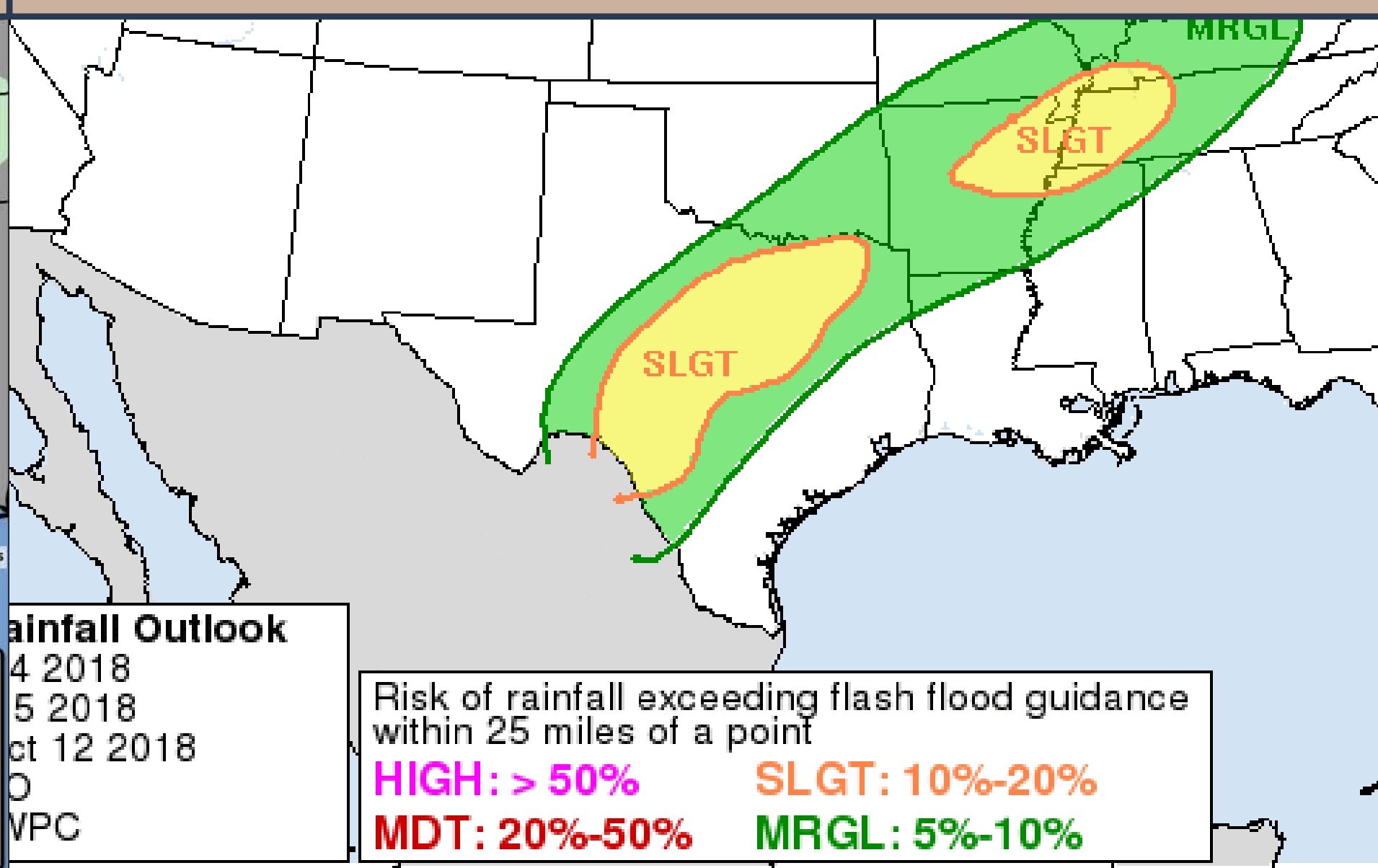
Isolated strong to severe storms possible across much of SE and Central TX; damaging winds and hail are the main threats.

The first snowfall of the season is likely over NE TX Sunday and Monday; up to 1-2 ft in higher elevations possible, impacts to I-40 possible Sunday night into Monday.

Severe Weather Outlook



Excessive Rainfall Outlook

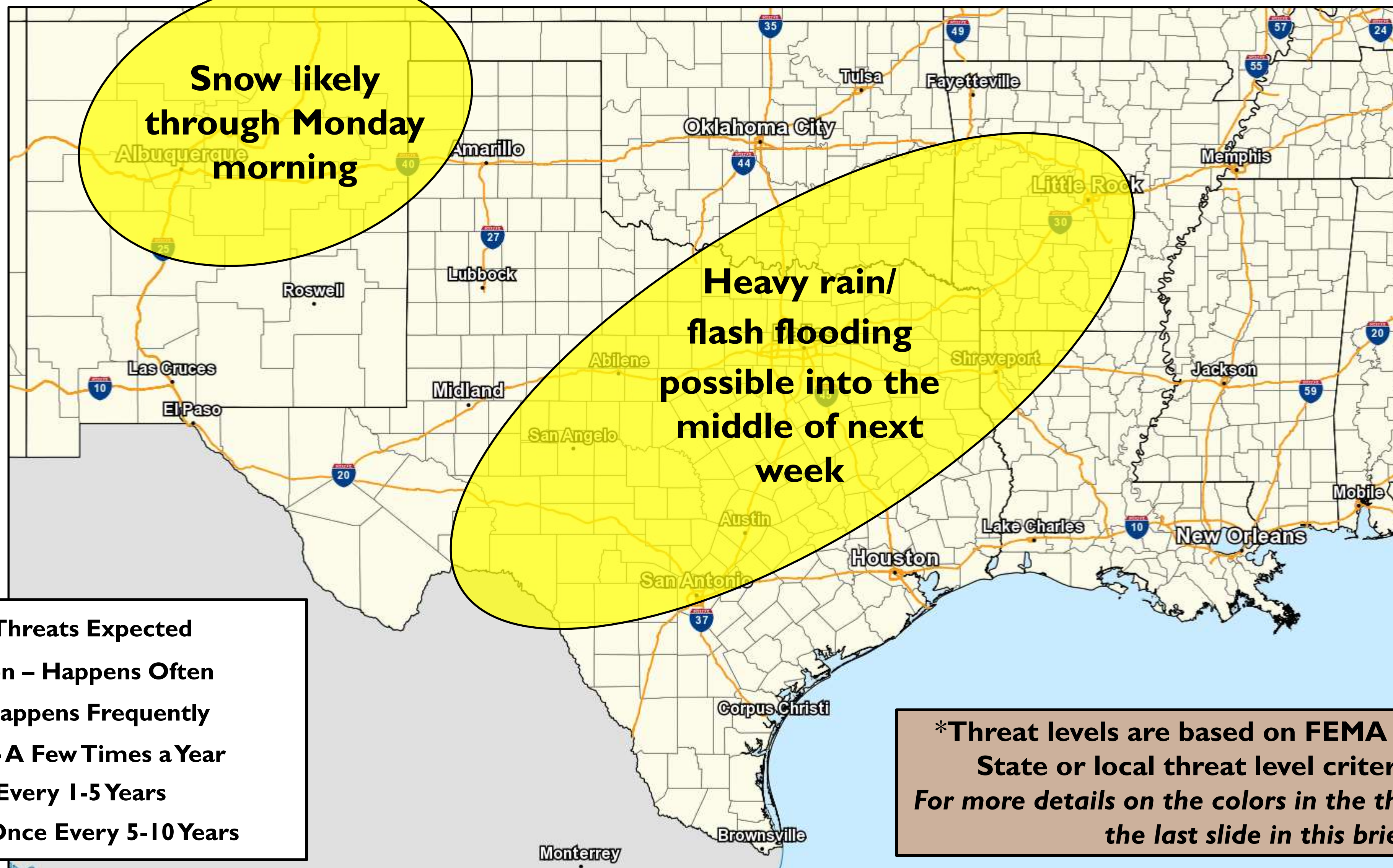


Days 4-5 Weather Hazards

Monday - Tuesday



SR ROC
REGIONAL OPERATIONS CENTER



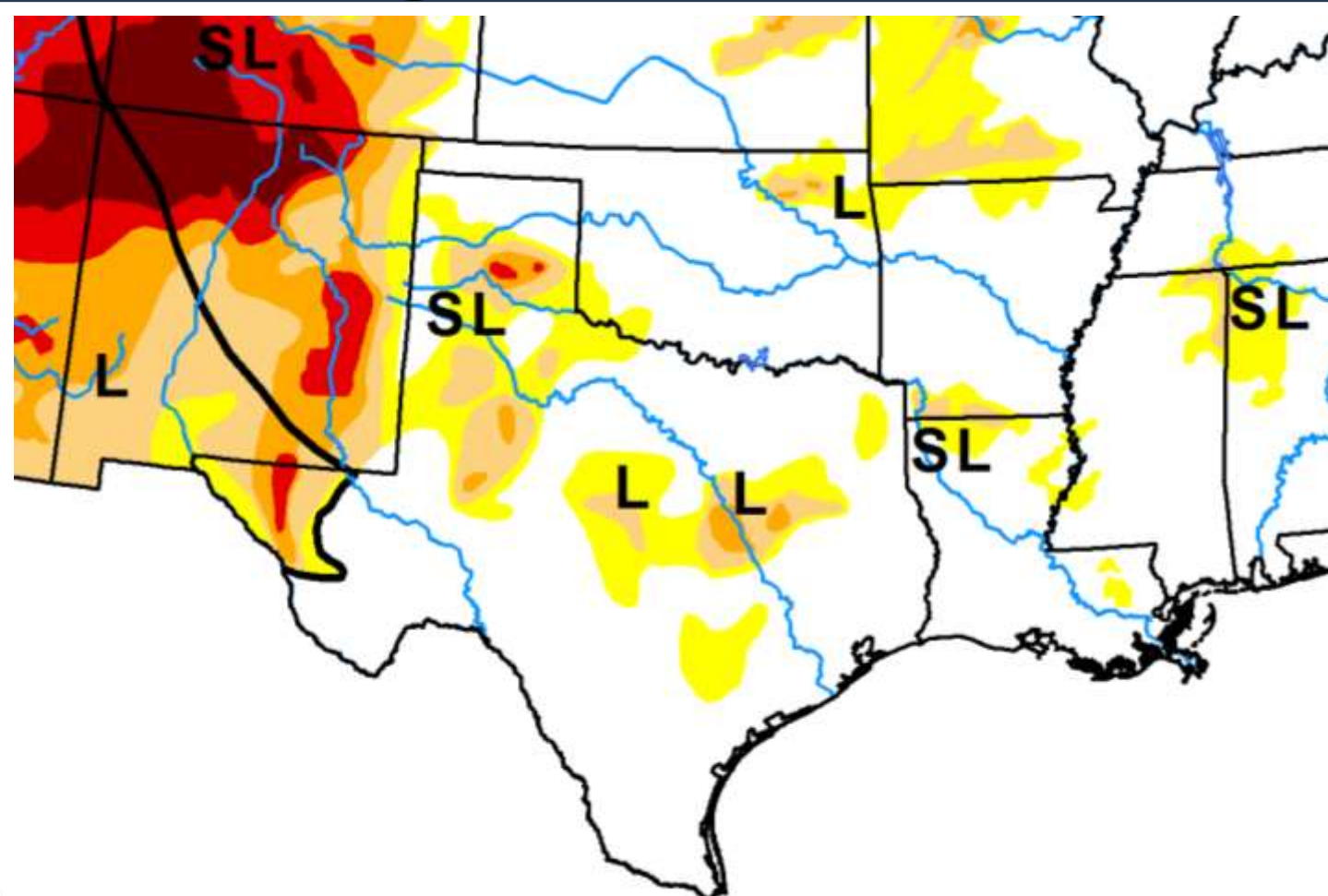
Drought Monitor (Released October 11, 2018)



SR ROC
REGIONAL OPERATIONS CENTER

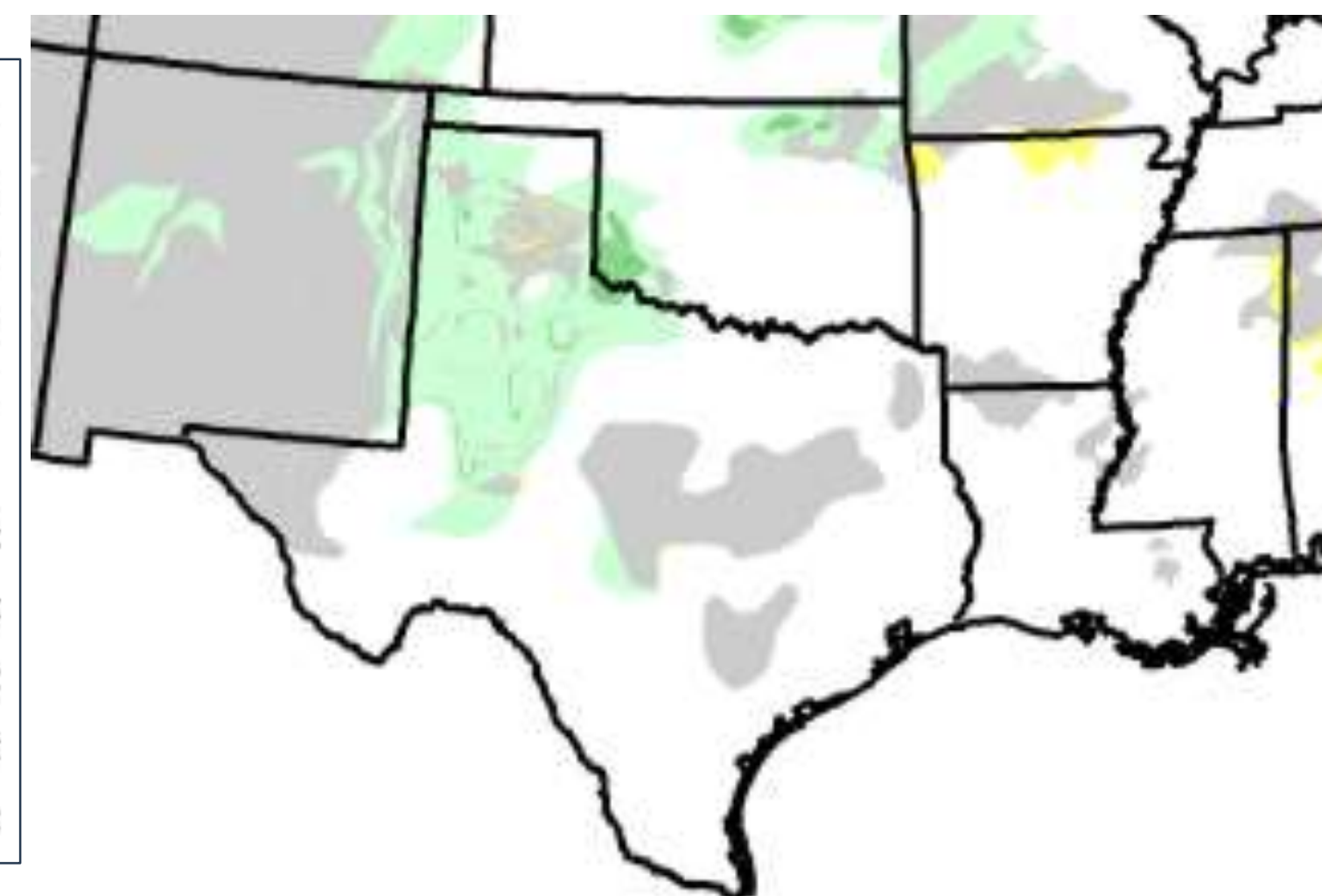
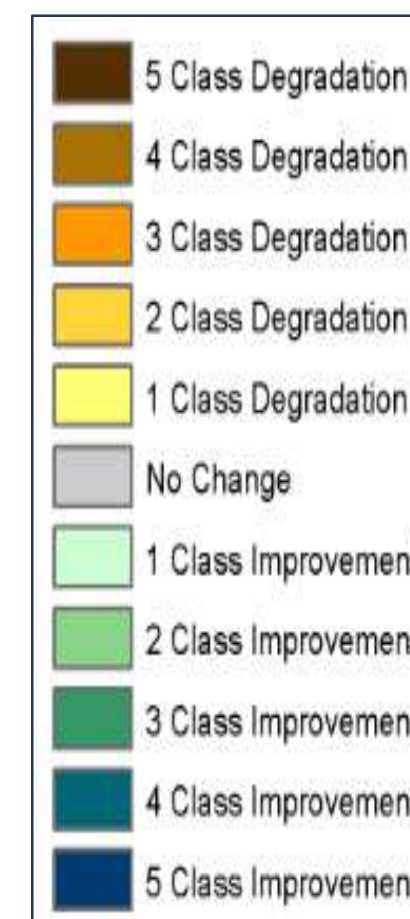
Data valid as of 7am CDT, Tuesday, October 9, 2018

Drought Monitor



Intensity:
D0 Abnormally Dry
D1 Moderate Drought
D2 Severe Drought
D3 Extreme Drought
D4 Exceptional Drought

One Week Change in Drought



Drought Conditions (Percent Area) in D3-D4 (Extreme to Exceptional Drought)

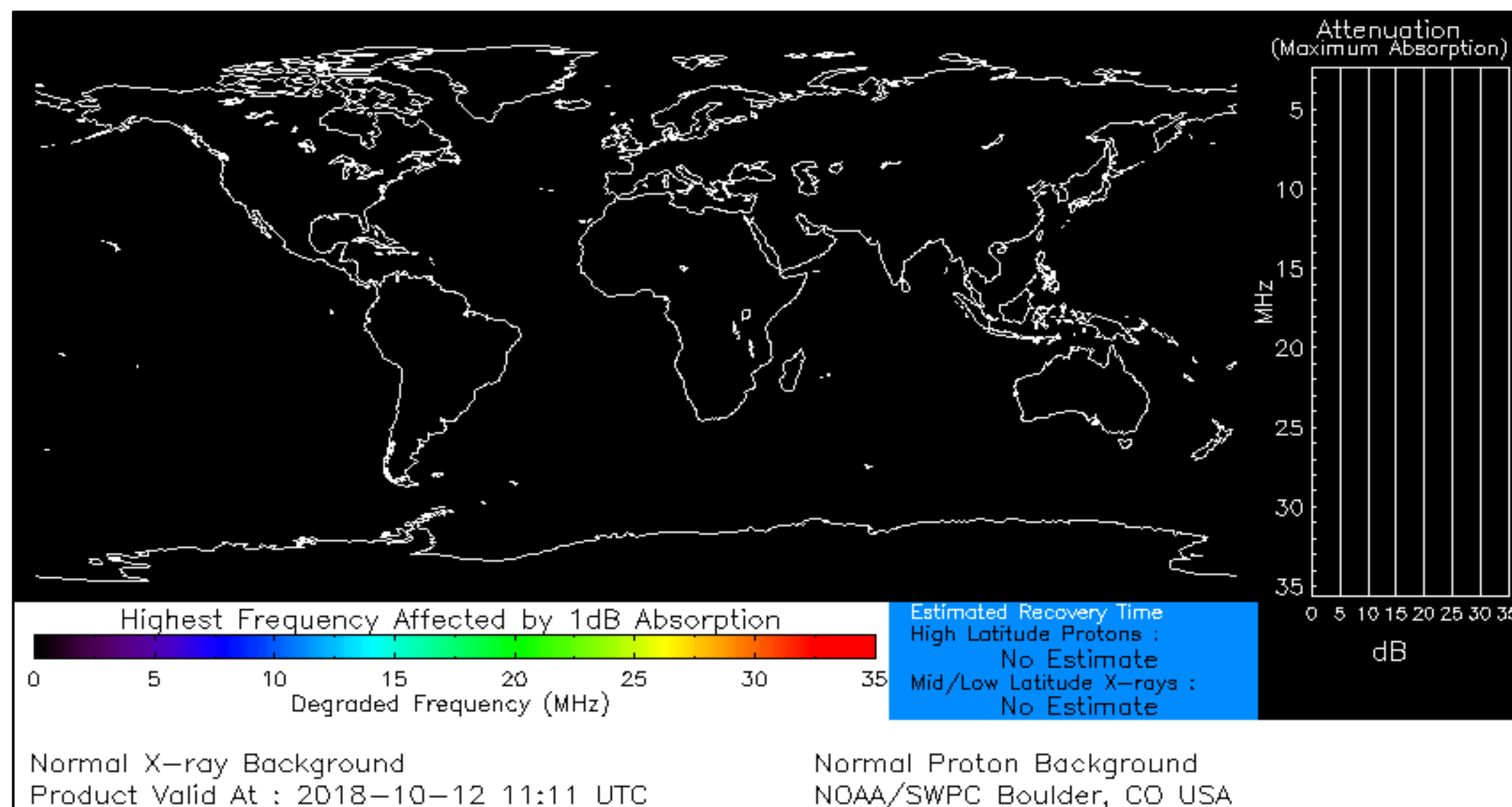
State	Current	Last Week	3 Months Ago	1 Year Ago
Arkansas	0.00%	0.00%	0.00%	0.00%
Louisiana	0.00%	0.00%	0.00%	0.00%
Oklahoma	0.00%	0.00%	8.81%	0.00%
Texas	0.59%	1.04%	4.95%	0.00%
New Mexico	28.20%	32.03%	57.68%	0.00%

Space Weather 3-Day Forecast



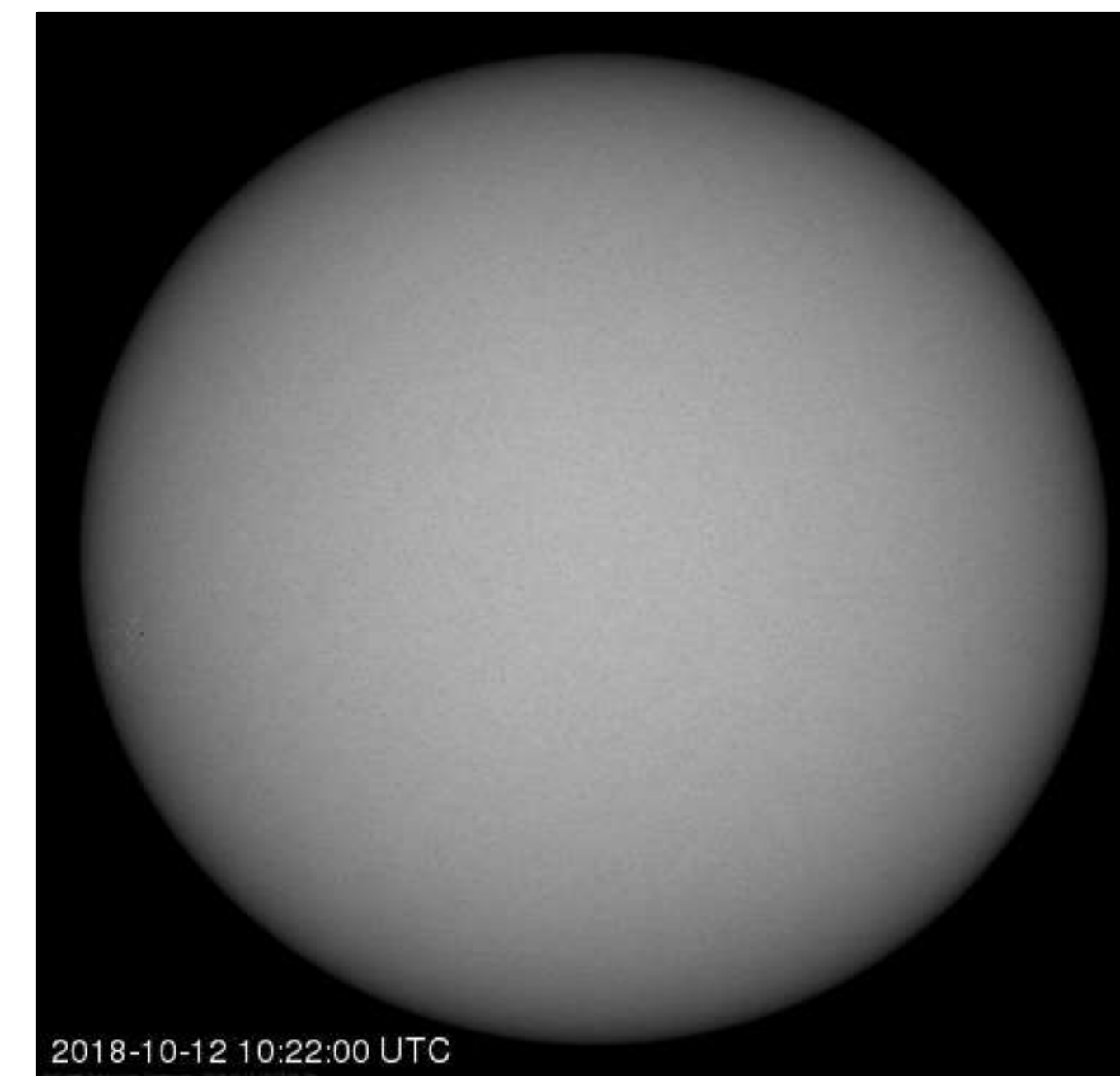
SR ROC
REGIONAL OPERATIONS CENTER

	Friday	Saturday	Sunday
Geomagnetic Storms	Quiet (Max Kp = 2)	Quiet (Max Kp = 2)	Unsettled to Active (Max Kp = 4)
Solar Radiation Storm (S1-S5)	1%	1%	1%
Radio Blackout (R1-R2)	1%	1%	1%
Radio Blackout (R3-R5)	1%	1%	1%



[Click here for a Description of the Space Weather Storm Scales](#)

[Click here for the Latest 3-Day Space Weather Forecast Text](#)





For more information, please contact:

National Weather Service
Southern Region Headquarters
Regional Operations Center
Fort Worth, TX

Phone: (682) 703-3747

E-mail: sr-srh.roc@noaa.gov

Web: <http://www.weather.gov/srh>



Weather “Threat” Matrix			
Color	Definition	Criteria	Example(s)
Green	Very Common Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Little Inconvenience to Daily Routines	Severe: Marginal Risk from SPC Flooding: Minor flooding expected over localized areas Tropical: None Fire Weather: No Watches/Warnings, fuel moisture above 10% or green up active	<ul style="list-style-type: none"> Thunderstorms expected over LA this afternoon; a few may produce winds to knock down a few trees Something that happens almost every day in a particular season such as <u>seabreeze</u> storms in coastal TX
Yellow	Somewhat Common – Happens Frequently Safety: Rarely a Direct Threat to Life and Property Impact Potential: Typically Results in Some Inconvenience to Daily Life	Severe: Slight Risk from SPC Flooding: Nuisance flooded expected for a widespread area, or Minor flooding expected over isolated areas Tropical: A weak tropical wave expected to move towards or near any coastline Fire Weather: Red Flag Watches/Warnings and/or SPC outlines enhanced or critical fire outlook	<ul style="list-style-type: none"> 2-3 inches of rainfall expected over central AR today and tonight; some minor (brief) street flooding possible Scattered severe storms possible, one or two tornadoes expected, along with reports of strong winds/wind damage and ~1” hail
Orange	Uncommon – A Few Times a Year Safety: Often Threatening to Life and Property, Some Damage Unavoidable Impact Potential: Typically Results in Minor Disruption to Daily Life	Severe: Enhanced Risk from SPC Flooding: Minor flooding expected over a widespread area (including urban locations), or Moderate flooding expected over isolated areas Tropical: A Tropical Storm expected to move towards or near any coastline Fire: Critical fire outlook for more than 2 consecutive days, Warnings for 2 or more consecutive days, D3-D4 drought conditions	<ul style="list-style-type: none"> A snow/sleet mix is expected to move through or near the DFW area tomorrow morning; travel impacts likely Numerous severe storms possible, a few tornadoes possible along with several reports of wind damage along with damaging hail Some large fires reported, burn bans advertised, critical conditions expected
Red	Rare – Once every 1-5 Years Safety: Extensive Property Damage Likely, Life Saving Actions Also will be Needed Impact Potential: Will likely result in Large Disruption to Daily Life	Severe: Moderate Risk from SPC Flooding: Moderate flooding expected over a widespread area (including urban locations) Tropical: A Hurricane expected to move towards or near any coastline Fire: Large areas of critical conditions for 2 or more days, Warnings for 3 or more days, Severe to extreme drought	<ul style="list-style-type: none"> A Category 1 hurricane will be moving towards the NW Gulf in the next few days Widespread severe storms likely, strong tornadoes, widespread wind damage, and destructive hail Large fires ongoing throughout the area with critical fire weather conditions expected to continue
Purple	Very Rare – Once Every 5-10 Years Safety: Property Damage Unavoidable, Immediate Action to Save Life will be Needed Impact Potential: Typically Results in Long-Lived Widespread Major Disruption to Daily Life	Severe: High Risk from SPC Flooding: Major flooding expected over a widespread area (including urban locations) Tropical: A Major Hurricane (Cat3 or greater) expected to move towards or near any coastline Fire: Large area of critical conditions for 2 or more days, Warnings for 3 or more days, Long term (months) of severe to extreme drought	<ul style="list-style-type: none"> A Category 4 hurricane is headed towards the SE LA; major storm surge, flooding and damaging winds anticipated to begin tomorrow Widespread severe storms expected, tornado outbreak probable with long-lived, very widespread and particularly intense storms

Criteria for the color codes in this briefing is to the left, please provide any feedback to

sr-srh.roc@noaa.gov